Software Testing

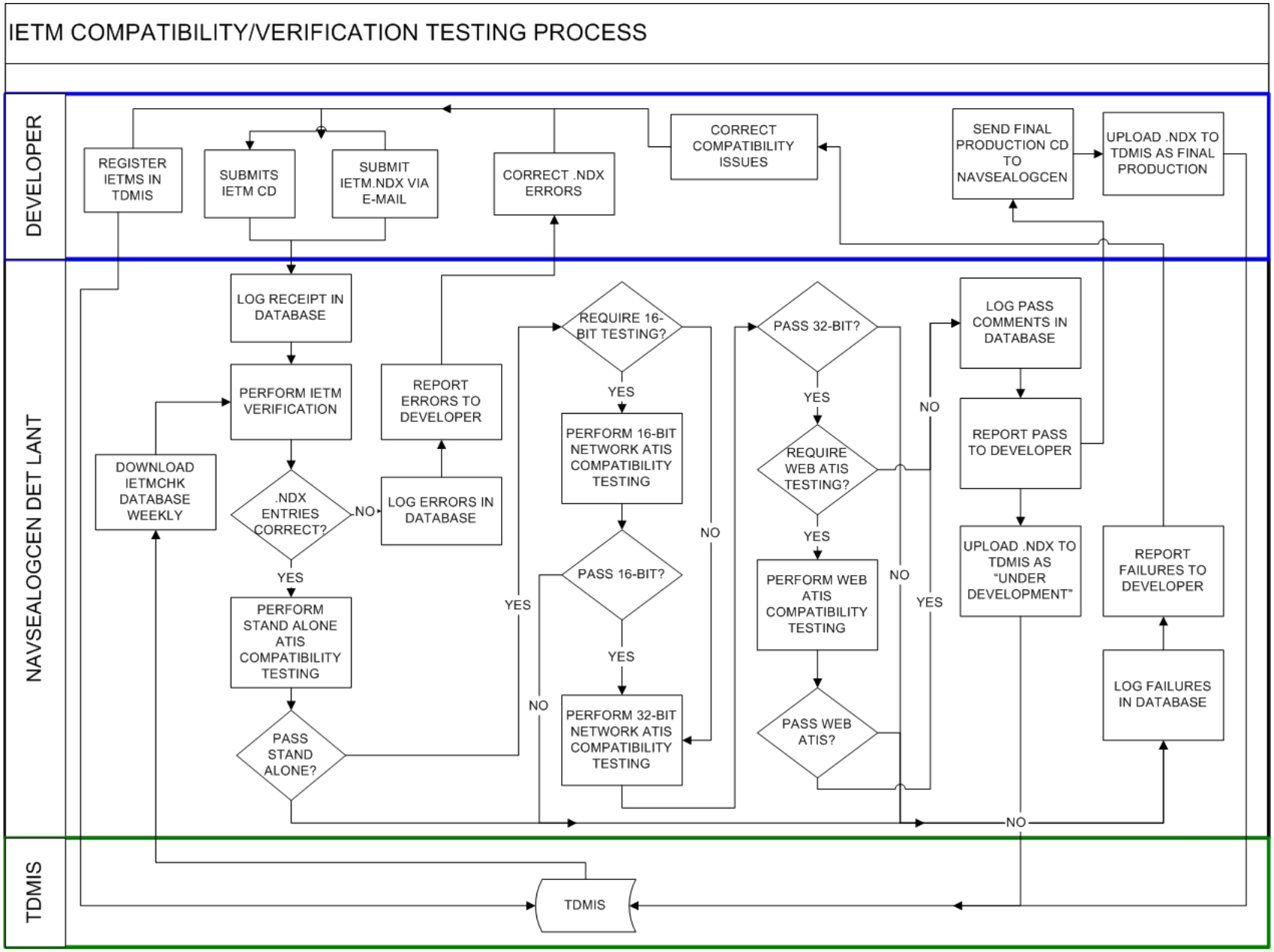
IDPWG

22 April 2003

ATIS ETM Testing Process

- Why do we test?
  - So your IETM is indexed properly into ATIS, giving the Sailor a central place to search technical manuals
  - Generic Index of Technical Publications (GENITP)

IETM COMPATIBILITY/VERIFICATION TESTING PROCESS



IETM/ATIS Classes

- Classes held in March and April
- Based on need, NAVSEALOGCEN will offer IETM and ATIS compatibility class once a month.
- Contact ATIS Help Desk 301-744-4911 for dates.

PPL/SSIL/QPL Process

- Naval Message 081804Z Feb 02
- Definitions
  - PPL- (Preferred Products List) Identifies certified and tested software, that, although not part of the IT-21 LAN/WAN baseline software configuration, is demonstrated to not interfere with other system network applications and is certified for installation on ISNS workstations and servers.
  - SSIL (Systems/Subsystems Interface Lists) Identifies certified and tested systems that demonstrated IT-21 interoperability within the IT-21 environment.
  - QPL (Qualfied Parts List): Identifies certified and tested hardware, demonstrated not to interfere with the network applications or system configuration.

Types of Releases

- Major release: a software version that will change a software program in a significant way with regard to how it functions. Add new function(s).
  - Add new external system interface(s)
  - Add new function(s) that change existing external system interface(s)
- Minor release: will change a software program in a less significant way, but will nonetheless change the way a software program functions.
  - Implement an enhancement (new capability) to an existing function
  - Implement a minor change to an external system interface
- Both major and minor releases require full PPL/SSIL review

Types of Releases

- Maintenance release: fixes problems in the software without changing the system‘s functions or its external interfaces by adding new or enhanced functionality. Will fix problems in the existing functionality of the system.
  - Will not implement new functionality.
  - Will not change the system’s function or external interfaces by adding new functionality or enhancing existing functionality with new capabilities.
  - Does not change the current security posture
  - Benefit: “Fast track” PPL/SSIL process

Testing and Distribution Process

- Web Site https://jdms.spawar.navy.mil/index.asp
- Process starts with submission of Navy Change Request(NCR) form
- Verification of all required documentation
- PPL/SSIL Testing
- BattleForce Interoperability (BFI) CCB review
  - Afloat Master Planning System (AMPS) database
  - https://amps.navsea.navy.mil/amps.html
- A-O message released
- Fleet Commanders endorsement
- Distribution to ships outside of TCD

PPL/SSIL TESTING AND DISTRIBUTION PROCESS